COLUMBIA | SIPA
Center on Global Energy Policy

Better Data for Better Policy Making

14th International JODI Conference

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Agenda

1. **Introduction**

2. **Current and Past Work**

3. **Thoughts on Data Use and Transparency**

   - How can JODI cooperate with other ongoing transparency activities to achieve greater energy data transparency for all?

   - How can JODI capitalize on its experience in the advancement of oil and natural gas data transparency to go beyond?

   - In what key areas and with which organizations/institutions can JODI combine efforts to further enhance energy data transparency?

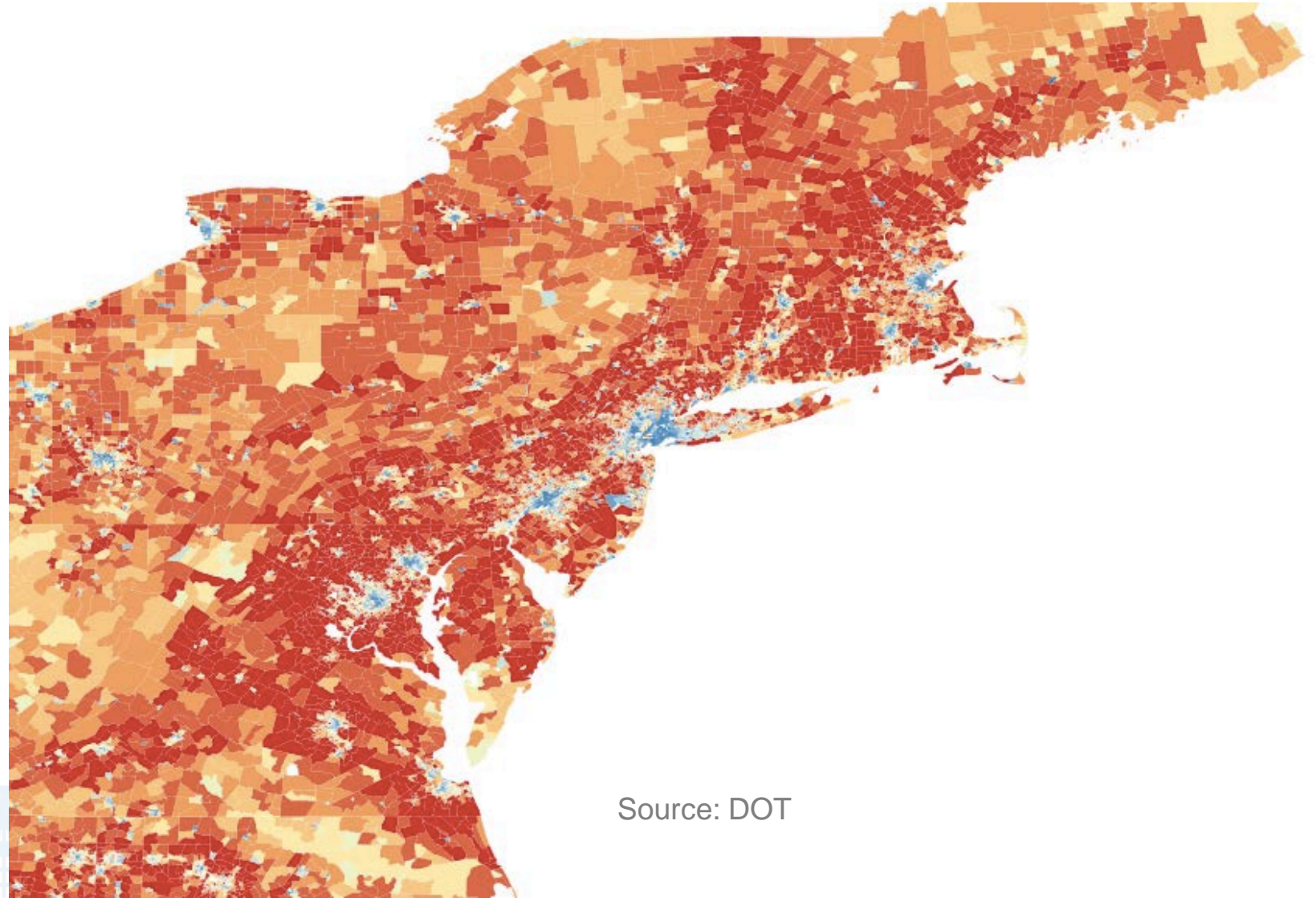   - What would be the advantages of expanding JODI coverage to other energy source and uses?

Center on Global Energy Policy (CGEP)

Mission: CGEP's mission is to enable public and private sector leaders to make more informed choices about the world's most pressing energy issues by providing an independent and interdisciplinary platform for insights and data-driven analysis, convening and information-sharing, education and training, and actionable recommendations on the current and future global energy system.

Spatial and Local Data Example: Household Vehicle Use in the Northeast US

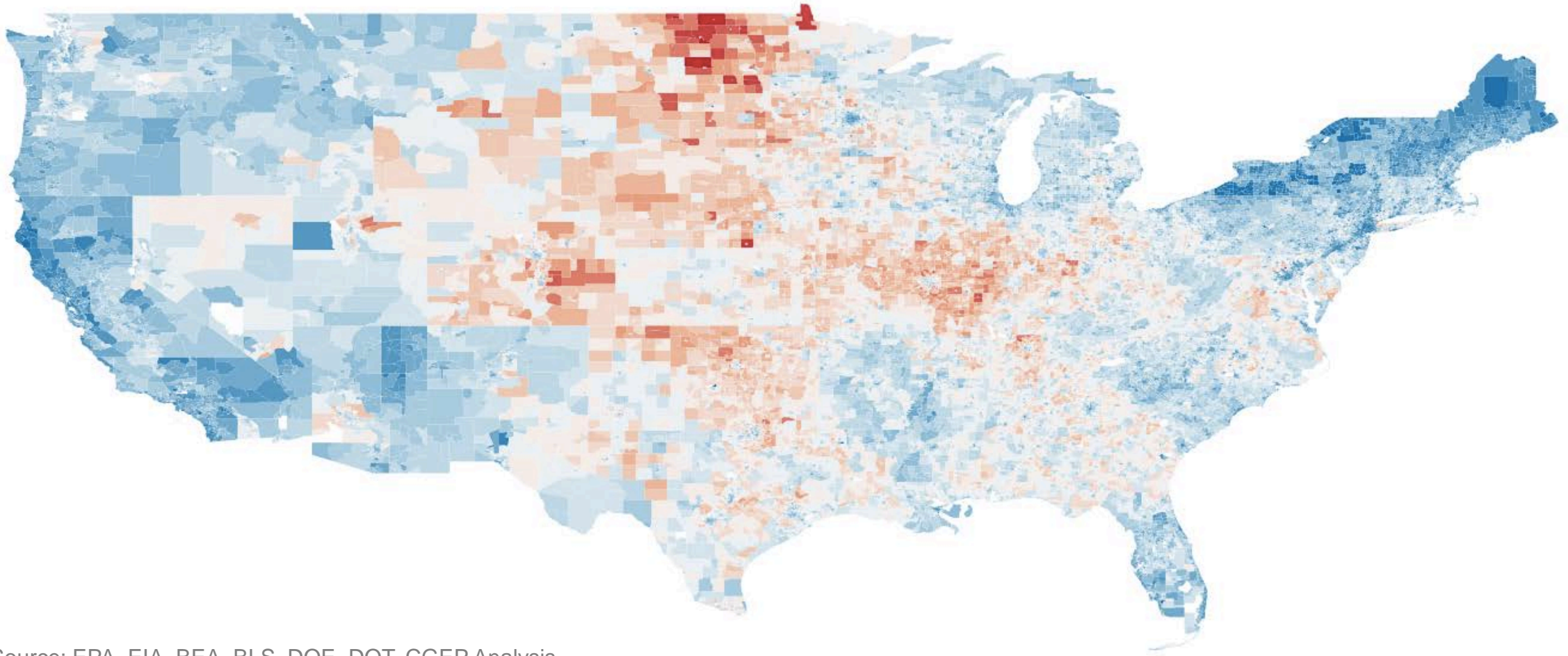**Better data leads to better policymaking**

Source: DOT

Household Impacts of a Potential Carbon Tax

2015

Source: EPA, EIA, BEA, BLS, DOE, DOT, CGEP Analysis
Note: Preliminary results, do not cite

Data Transparency

1. .How can JODI cooperate with other ongoing transparency activities to achieve greater energy data transparency for all?

2. How can JODI capitalize on its experience in the advancement of oil and natural gas data transparency to go beyond?

3. In what key areas and with which organizations/institutions can JODI combine efforts to further enhance energy data transparency?

4. What would be the advantages of expanding JODI coverage to other energy source and uses?

Question 1

How to cooperate with other ongoing transparency activities to achieve greater energy data transparency for all?

- Partnering with **open data** initiatives like OpenEI
  - A "Wikipedia" for largely US data, community driven

  - **Key value:** What other data is out there that I don't know of?

  - Tries to ensure that only quality data is uploaded to the platform by vetting sources, having clear use-case rights info, and ensuring referenced data

  - In addition to the Wiki, OpenEI provides a platform for sharing datasets

OpenEI
Open Energy Information

Question 2

How can JODI capitalize on its experience in the advancement of oil and natural gas data transparency to go beyond?

- **Leverage networks** to start gathering local data and using those networks to convey best practices

    - **Highly accessible, well-formatted, well-documented**, and labeled raw datasets are key to ensuring accurate and widespread use

    - Common formats in .csv, .json, etc. that don't require proprietary software

- JODI as a key data organizer, **can potentially host and link** to countries data repositories

Question 3

In what key areas and with which organizations/institutions can JODI combine efforts to further enhance energy data transparency?

Universities and students: have example analyses/code that can be built upon by students

- Build an example use case in R, QGIS, Python, other **open-source software** to engage users

- Having data example projects with an eye towards students ensures an **engaged user-base** down the road

- Show what can be done with the data. **Teach students the caveats to using the data**

Question 4

What would be the advantages of expanding JODI coverage to other energy source and uses?

- JODI can fill much needed gaps in the energy data landscape

- **Methane emissions** associated with oil and gas will be increasingly important in the international arena and a common reporting mechanism could greatly aid countries wishing to track and measure these emissions

- **Consumer stock** is key in energy transition, what is consuming these fuels? Underserved area of data collection.
  - How many vehicles, what type, what efficiency?